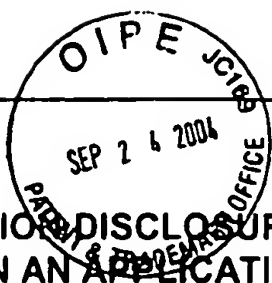


FORM PTO-1449

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)  
81833.0036Application Number  
10/089,598

Applicant

Shogo KAKIUCHI, et al.

Filing Date  
July 1, 2002Group Art Unit  
3651

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | APPLICATION DOCUMENT NO. | DATE       | NAME           | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|---------------------|--------------------------|------------|----------------|-------|----------|-------------------------------|
| gc                  | US 4,757,382             | 07/12/1988 | Kaziura et al. | _____ | _____    |                               |
| gc                  | US 5,878,868             | 03/19/1999 | Gotoh et al.   | _____ | _____    |                               |
| gc                  | US 5,531,312             | 07/02/1996 | Dickey         | _____ | _____    |                               |
| gc                  | US 4,934,560             | 06/19/1990 | Bouyer         | _____ | _____    |                               |
| gc                  | US 3,722,658             | 03/27/1973 | Sterling       | _____ | _____    |                               |
|                     |                          |            |                |       |          |                               |
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## FOREIGN PATENT DOCUMENTS

|    | PUBLICATION DOCUMENT NO. | DATE       | COUNTRY | CLASS | SUBCLASS | Translation |    |
|----|--------------------------|------------|---------|-------|----------|-------------|----|
|    |                          |            |         |       |          | YES         | NO |
| gc | EP 0166277 A2            | 02/01/1986 | Europe  | _____ | _____    | X           |    |
| gc | EP 0715164 A2            | 05/06/1995 | Europe  | _____ | _____    | X           |    |
| gc | EP 0715164 A3            | 18/06/1997 | Europe  | _____ | _____    | X           |    |
| gc | JP 10170446              | 26/06/1998 | Japan   | _____ | _____    | X           |    |
| gc | FR 2539057 A1            | 07/13/1984 | France  | _____ | _____    |             | X  |
|    |                          |            |         |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |   |
|----|---|
| gc | European Search Report for Application No. EP 00962968 dated 06/11/2002 |
| gc | European Search Report for Application No. EP 00962968 dated 20/02/2003 |
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FORM PTO-1449

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**INFORMATION DISCLOSURE CITATION  
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|  |                          |      |         |       |          | YES         | NO |
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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

|           |   |
|-----------|---|
| <i>gk</i> | Japanese Office Action and English translation for Application No. 278595 |
|           |   |
|           |   |
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